Polar Bears,

Martha Stewart,

And me.

It is inevitable that a single species will become an icon for the impacts of climate change on ecosystems
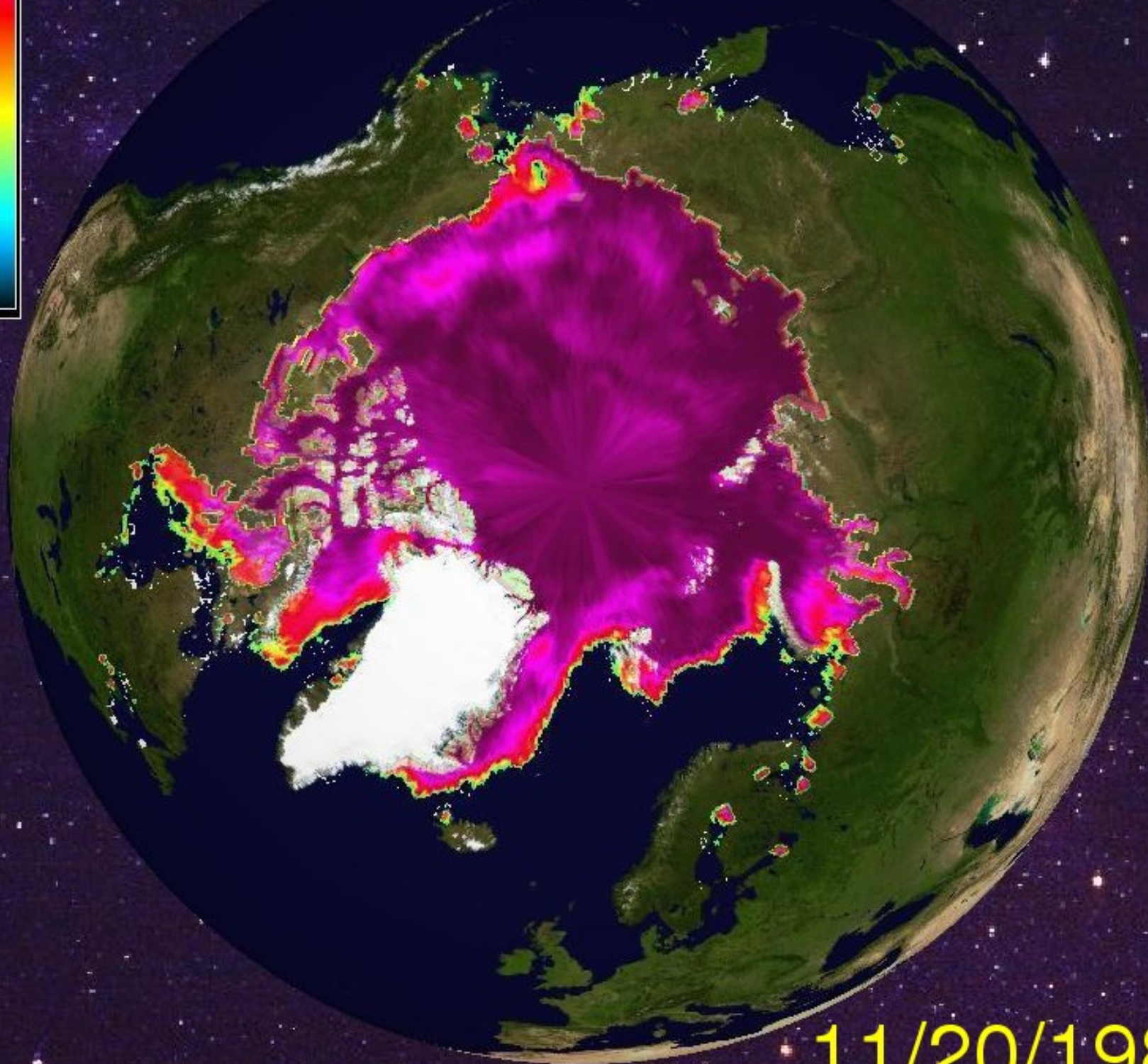
Which one will it be?

NORTHWEST TERRITORIES

NUNAVUT

N **Manitoba**

ALBERTA

Hudson Bay

Churchill

Brochet

Lynn Lake

South Indian Lake

Gillam

Shamattawa

Leaf Rapids

Pukatawagan

Thompson

55°

Flin Flon

Gods River

MANITOBA

Island Lake

Norway House

The Pas

Berens River

ONTARIO

SASKATCHEWAN

Swan River

50°

Dauphin

Arborg

Regina

Portage la Prairie

Selkirk

Brandon

Winnipeg

Morden

U. S.

0   100   200 mi

0   100   200 km

90°

Lake Superior

110°   105°   100°   95°

©maps.com

sea ice concentration

60
40
20
0

11/20/1980

Introductions...

DANGER
BEAR TRAP
KEEP AWAY!
MANITOBA
CONSERVATION

the **Tundra Buggy** ADVENTURE
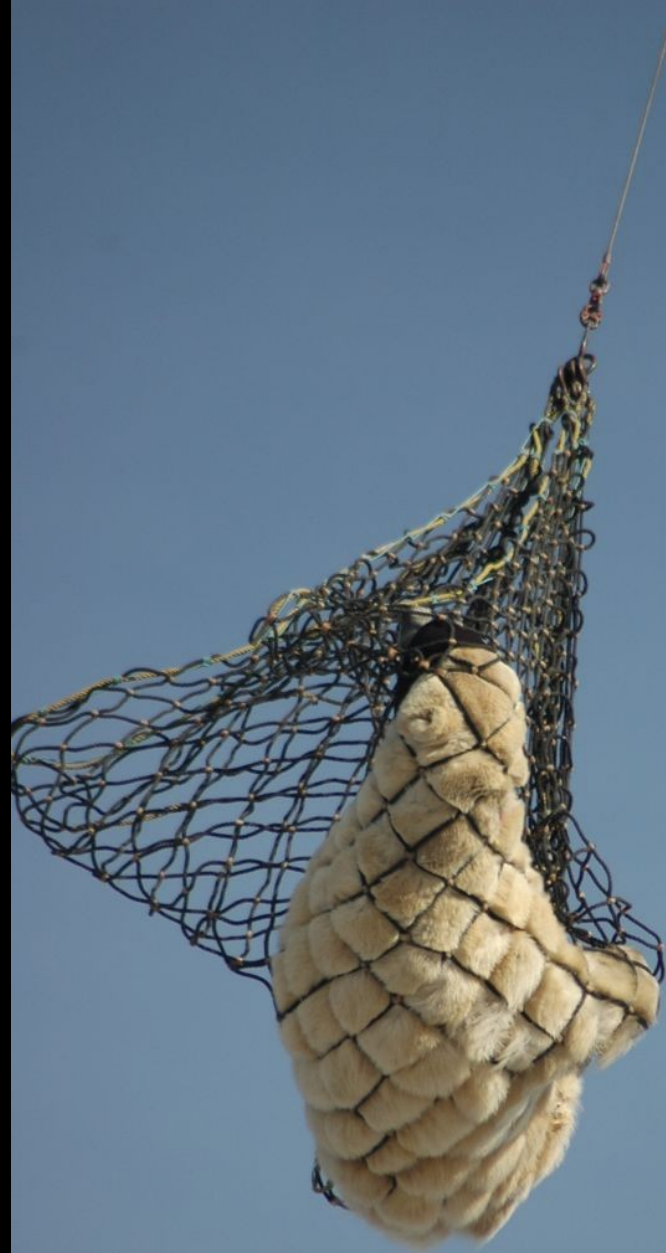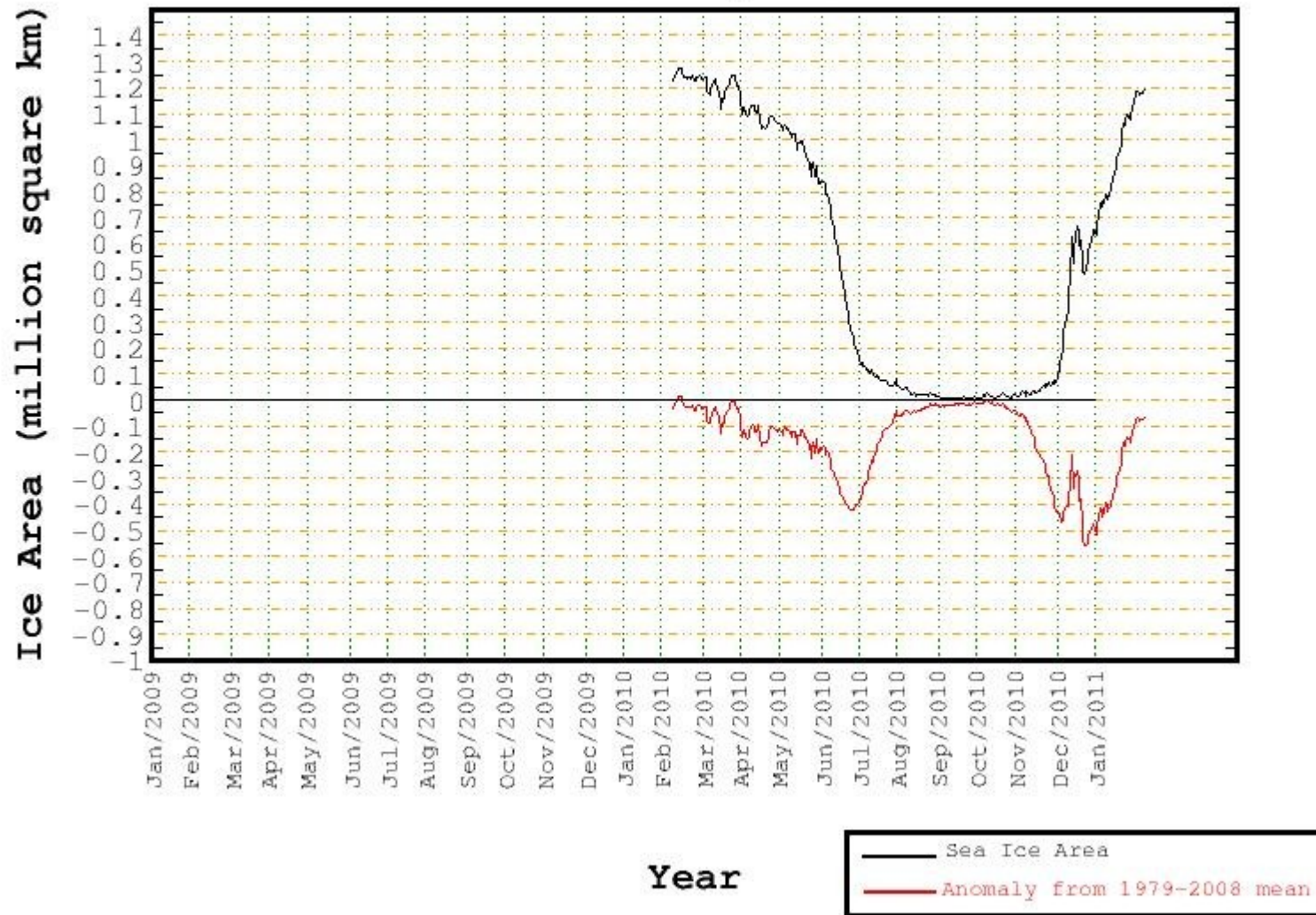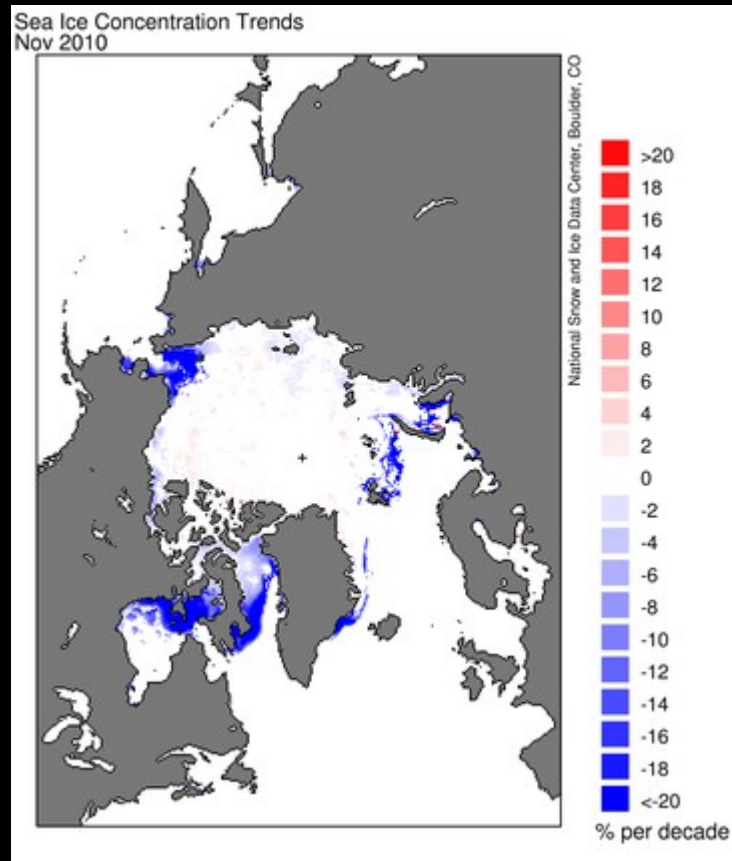
Current Hudson Bay Sea Ice Area

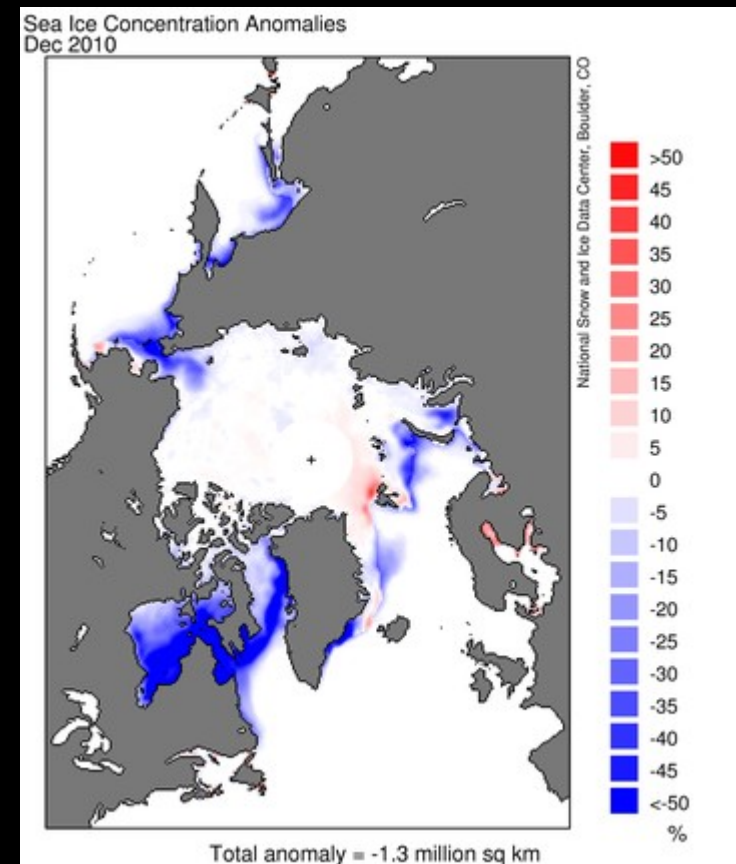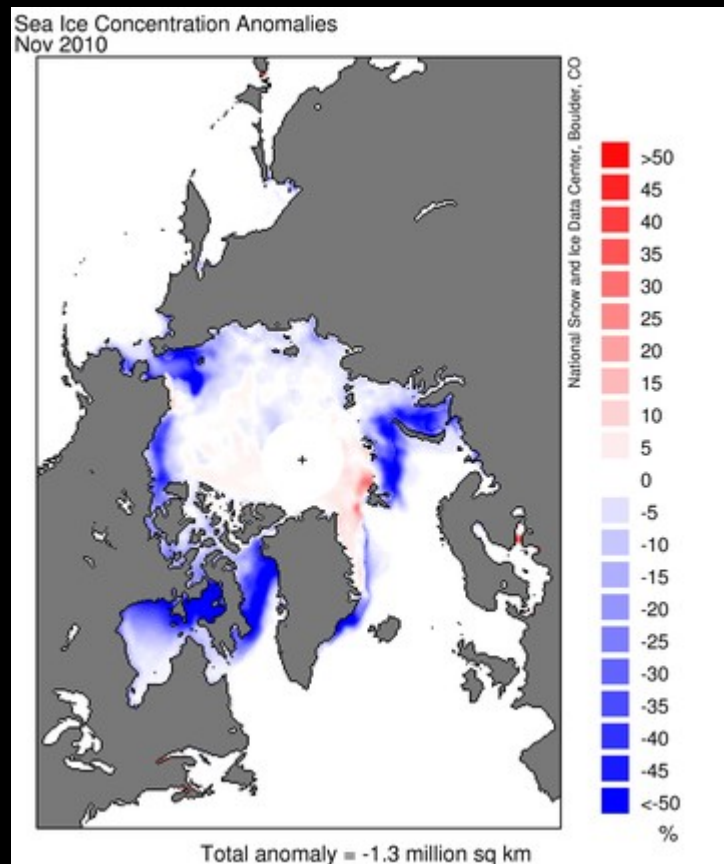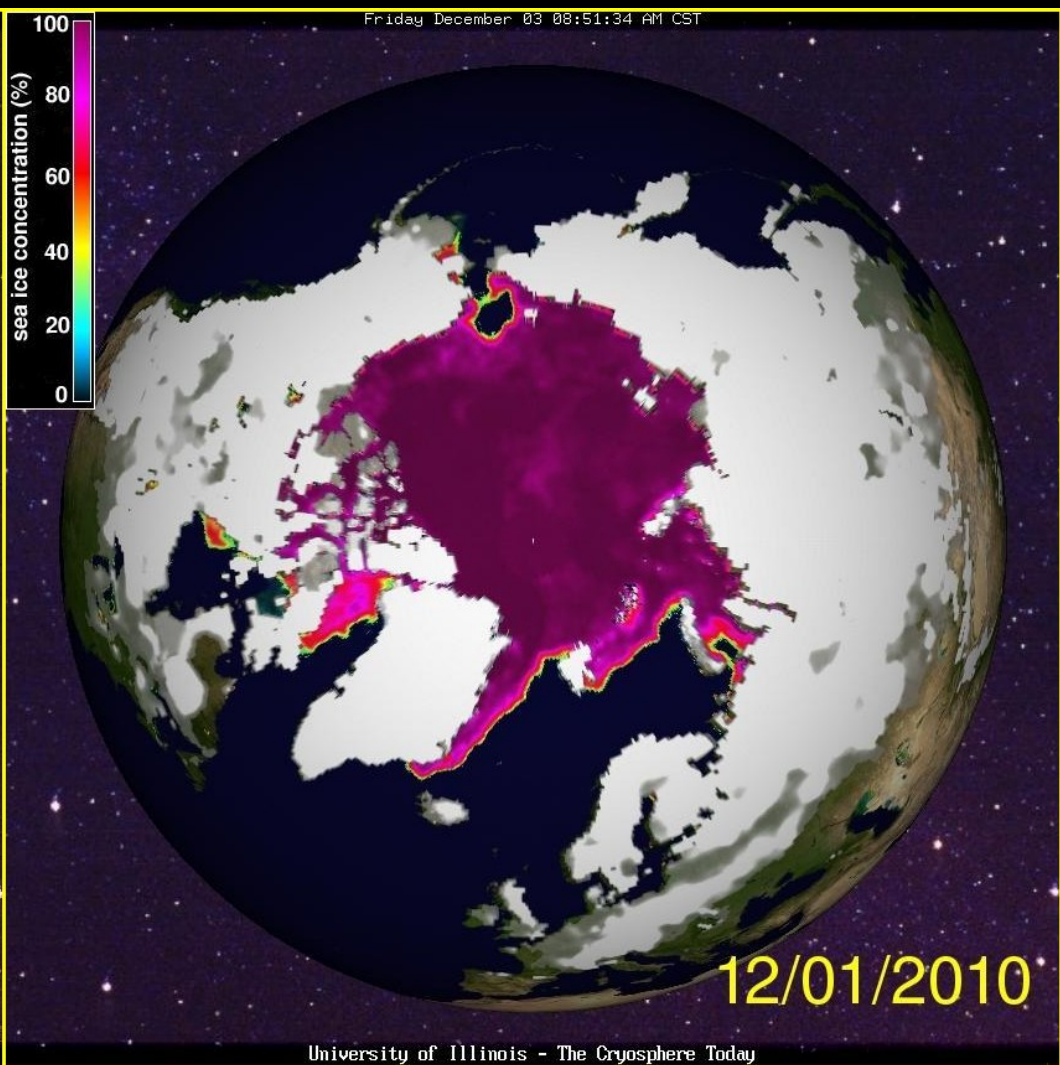recent 365 days shown

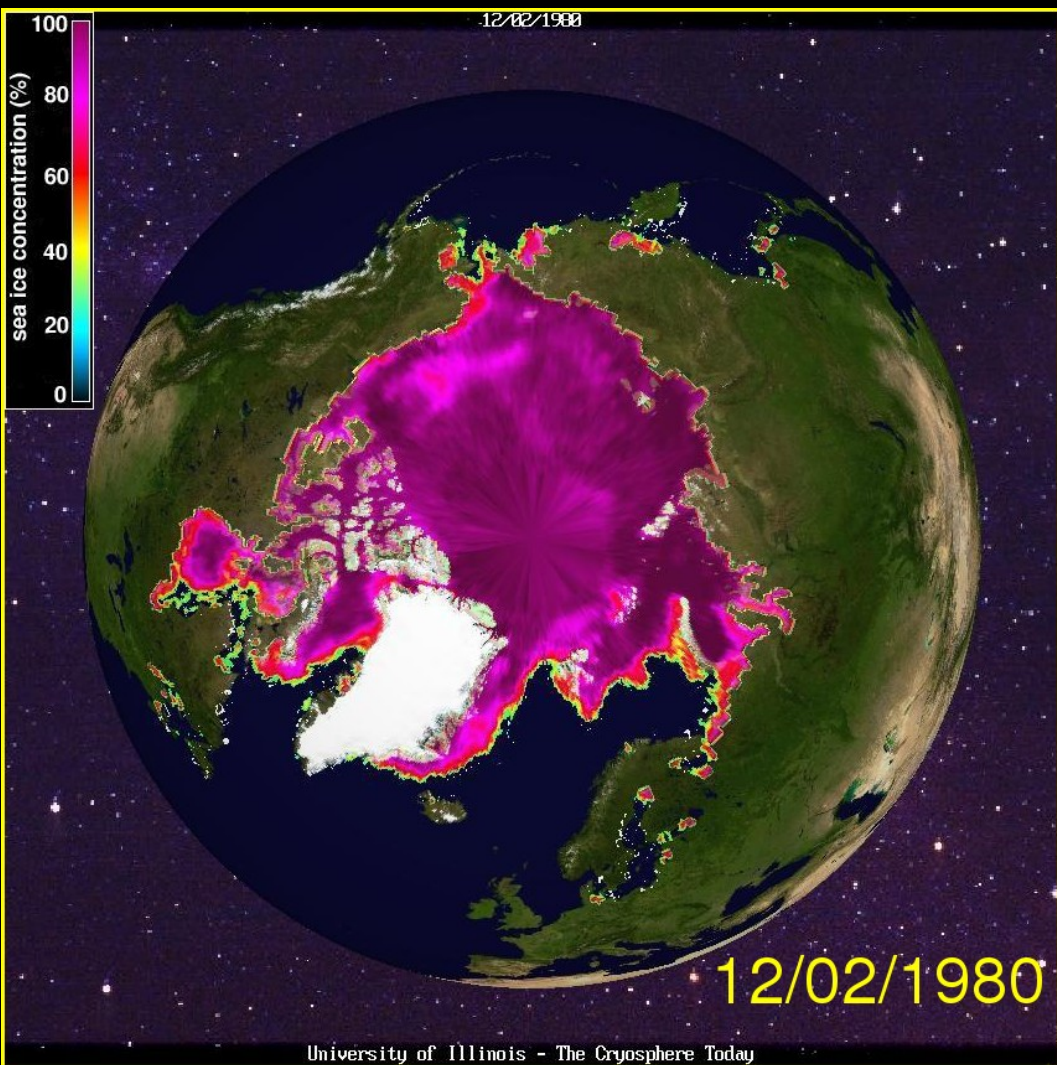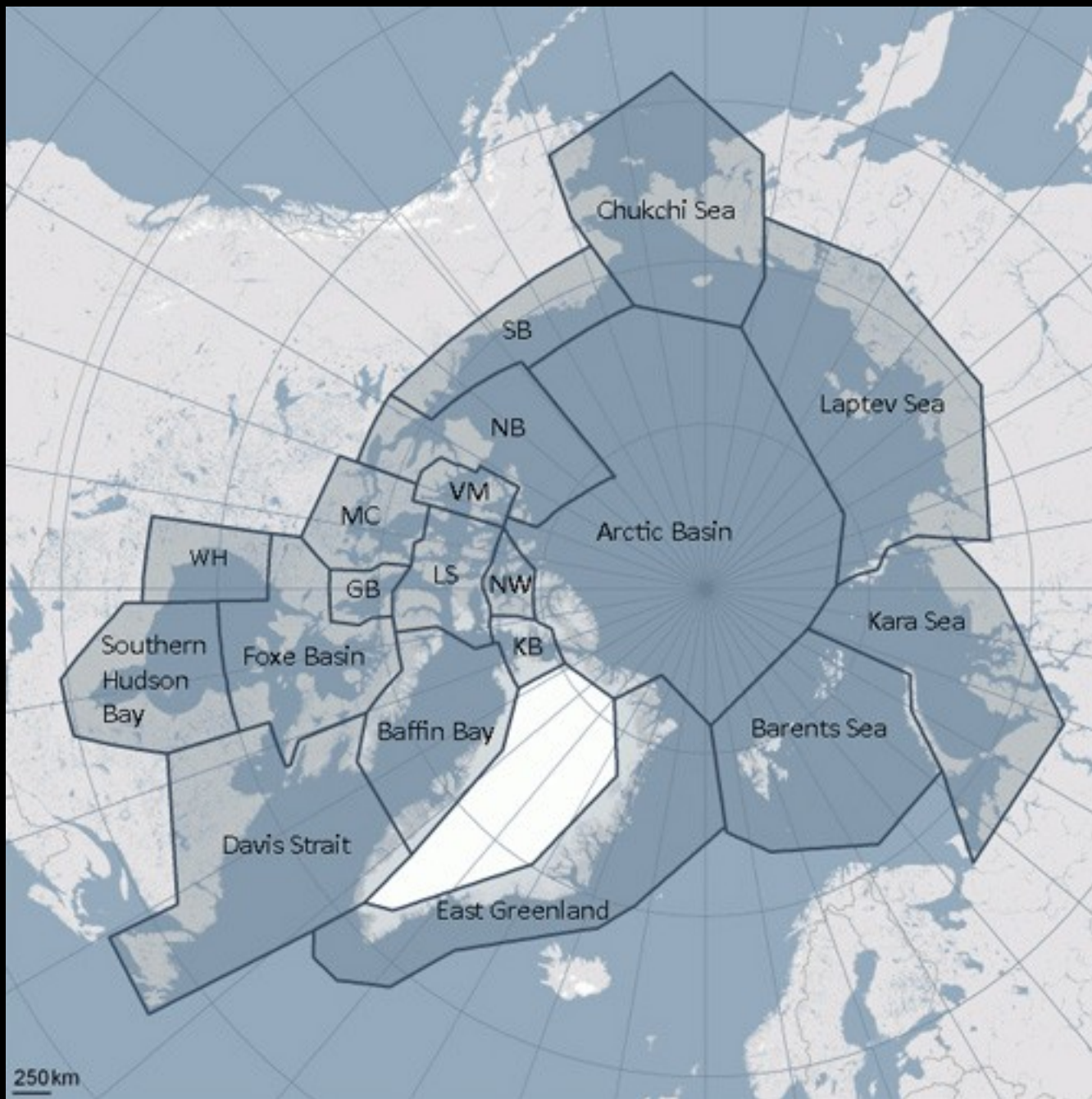# 1979-2010 Trends

Nov

Dec
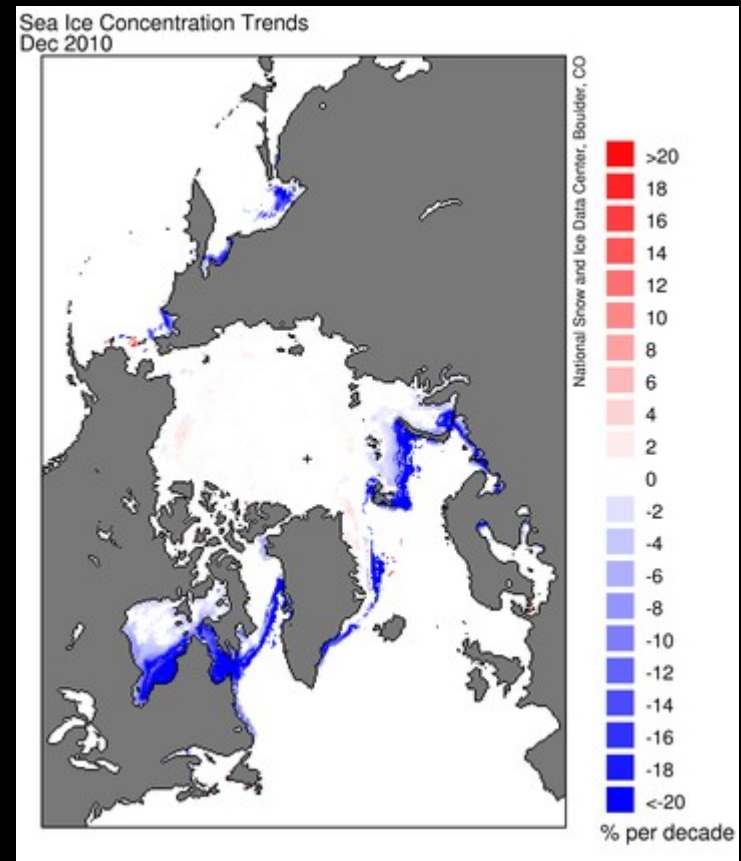
Anomalies w.r.t. 1979-2000
Nov 2010   Dec 2010

Population	Mark-recapture analysis		Alternative Analysis				Historical annual removals (5 yr mean)	Potential maximum annual removals	Status	Current trend	Estimated risk of future decline
	Number (year of estimate)	±2 SE or 95% CI	Number (year of estimate)	±2 SE or min-max range	Sim	TEK					
Arctic Basin	Unknown						N/A	0	Data deficient	Data deficient	Data deficient
Baffin Bay	2074 (1997)	1544-2604	1546 (2004)	690-2402	X		212	176	Data deficient	Declining	Very high
Barents Sea	2650 (2004)	1900-3600					1	0	Data deficient	Data deficient	Data deficient
Chukchi Sea	Unknown						37 - plus unknown but substantial in Russia (100-200)	No quotas	Reduced	Declining	Data deficient
Davis Strait	2142 (2007)	1811-2534					60	66	Not reduced	Declining	Very high
East Greenland	Unknown						58	54	Data deficient	Data deficient	Data deficient
Foxe Basin	2197 (1994)	1677-2717	2300 (2004)	1780-2820	X	X	101	108	Data deficient	Data deficient	Data deficient
Gulf of Boothia	1592 (2000)	870-2314					60	74	Not reduced	Stable	Very low
Kane Basin	164 (1998)	94-234					11	15	Reduced	Declining	Very high
Kara Sea	Unknown						N/A	0	Data deficient	Data deficient	Data deficient
Lancaster Sound	2541 (1998)	1759-3323					83	85	Data deficient	Declining	Higher
Laptev Sea	800-1200 (1993)						N/A	0	Data deficient	Data deficient	Data deficient
M'Clintock Channel	284 (2000)	166-402					2	3	Reduced	Increasing	Very low
Northern Beaufort Sea	1202 (2006)	686-1718					29	65	Not reduced	Stable	Data deficient
Norwegian Bay	190 (1998)	102-278					4	4	Data deficient	Declining	Very high
Southern Beaufort Sea	1526 (2006)	1210-1842					44	80	Reduced	Declining	Moderate
Southern Hudson Bay	900-1000 (2005)	396-950 (ON) 70-100 (James Bay)					35	61	Not reduced	Stable	Very high
Viscount Melville Sound	161 (1992)	121-201	215 (1996)	99-331	X		5	7	Data deficient	Data deficient	Data deficient
Western Hudson Bay	935 (2004)	791-1079					44	16	Reduced	Declining	Very high

www.marthaastewart.com
The Cold Show with Andy Samberg
Jan 11 2011

www.polarbearsinternational.org

Center for Biological Diversity
www.biologicaldiversity.org